SEQUENCE LISTING

<110> Lizardi, Paul M.

<120> Artificial Long Terminal Repeat Vectors

<130> YU 125

<140> 09/396,340
<141> 1999-09-15

<150> 60/100,305
<151> 1998-09-15

<160> 9

<170> PatentIn Ver. 2.1

<210> 1
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ALTR with
      identical repeats and identical linkers

<220>
<221> misc_feature
<222> (25)..(27)
<223> Linker sequence where N represents A, G, C, or T

<220>
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<222> (28)..(37)
<223> DNA insert where N represents A, G, C, or T

<220>
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<223> Linker Sequence where N represents A, G, C, or T

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aggtaggtag gtaggtaggt aggtnnnnnn nnnnnnnnnn acctacctac ctacctacct 60
acct   64

<210> 2

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<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ALTR with
      identical repeats and different linkers

<220>
<221> misc_feature
<222> (25)..(27)
<223> Linker Sequence where N represents A, G, C, or T

<220>
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<222> (28)..(37)
<223> DNA insert where N represents A, G, C, or T

<220>
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<222> (38)..(40)
<223> Linker Sequence where N represents A, G, C, or T

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acct                                                              64


<210> 3
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ALTR with two
      types of ALTR repeats and different linkers

<220>
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<222> (25)..(27)
<223> Linker Sequence where N represents A, G, C, or T

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<220>
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<221> misc_feature
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<223> Linker Sequence where N represents A, G, C, or T

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gatg                                                                64


<210> 4
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Repeat A

<400> 4
acgcagctcg tgtaatacga ctcgcatgcc tccc                               34


<210> 5
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer A

<400> 5
cgcagctcgt gtaatacgac tc                                            22


<210> 6
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Repeat B

<400> 6
atgcatgctc agtggtgctg agtaacagcc tggg                               34


<210> 7
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<212> DNA
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3

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer B

<400> 7
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<210> 8
<211> 75
<212> DNA
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<223> Description of Artificial Sequence: Left side of
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<222> (69)..(75)
<223> Insert and polylinker sequences where N represents
     A, G, C, or T

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tgcctcccnn nnnnn   75

<210> 9
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Right side of
     ALTR vector

<220>
<221> misc_feature
<222> (1)..(7)
<223> Insert and Polylinker Sequences where N represents
     A, G, C, or T

<400> 9
nnnnnnnggg atgcatgctc agtggtgctg agtaacagcc tgggatgcat gctcagtggt 60
gctgagtaac agcct   75

4